ATX-PTZ-37X

Explosion Proof ATX Series

Key Features

- Integrated plug-and-play pan-tilt camera system
- 360° continuous pan rotation
- Tilt range of +90° to -2° from horizontal
- Extreme weather -55°C to +60°C IP 68 sealed
- Dual-layer electropolished stainless steel
- Up to 10 years of service life
- High resolution 37X day/night zoom camera
- Integrated junction box for easy installation
- Surge and lightning protection
- Intrinsically safe and ATEX certified Zone 1 and 2
- ExII 2GD ExdII CT6 and ExtD A21 T80C
- Pelco D/P protocol via RS-485
- OSD to program pan-tilt positioner and camera

Specifications

Intrinsically Safe

The ATX-PTZ-37X is explosion proof ATEX certified including ExII 2GD ExdII CT6 and ExtD A21 T80C. The dual-cast stainless steel is available in both 304 and 316L and contains explosive proof cable leads for installation in hazardous environments from petrochemical processing to oil and gas (Zone 1 and 2 rated).

Precision Engineering

Designed to be high quality, robust, and extremely rugged, in order to provide reliable surveillance in the most demanding situations. Micro-Step motor allows for accuracy of up to 0.02° along with 360° continuous pan and tilt from -2° to 90° with integrated auto-flip. Guard tours and presets allow for manned and unmanned monitoring 24 hours a day 7 days a week.

Adaptive Light Performance

The ATX series contains integrated OSD programming to allow the customization of nearly every aspect of the camera to suit any application. Included are features such as wide dynamic range (WDR), highlight compensation (HLC), targeted backlight compensation (TBL), and auto white balance (AWB), as well as other image enhancing technologies.

Extreme Environments

Our state-of-the-art optics are integrated in an industry leading IP 68 housing to handle even the most brutal environments. A heater/blower allows for operation in temperatures from -55°C to +60°C. Electropolishing provides a microscopically smooth surface for low maintenance and long service life delivering industry leading ROI.

Superb Image Quality

A 1/4" Ex-View HAD II CCD sensor delivers 600TVL color by day and 700TVL monochrome at night. A 3.5mm-129.5mm lens provides an optical zoom factor of 37X for extreme wide angle and narrow fields of view. Other sensors are available upon request including IP, HD, and SDI to suit any application.

Integrated Solution

The ATX-PTZ-37X is a completely integrated system with high resolution sensor and optics, pan-tilt motor, and a built in junction box for power and video connections. Suitable for applications such as marine, fueling stations, munitions storage depots, grain processing, manufacturing plants, and other hazardous and corrosive environments.

ATX-PTZ-37X

Explosion Proof ATX Series

Optics	
Lens	3.5mm-129.5mm IR corrected continuous zoom lens
Zoom	37X optical, 16X digital, 592X total
Image Sensor	1/4" Ex-View HAD II CCD
Minimum Illumination	Color .05 Lux B/W 0 Lux (IR on)
Shutter Speed	Auto: 1/50 - 1/10,000 SEC
Resolution	600TVL (day) / 700TVL (night)
Filter	Dual MICF: (Mechanical IR Cut Filter)
Communication & Presets	
Presets	128 Presets
Preset Tours	1
Home Position	Yes (preset 1 or tour)
Communication & Presets	RS485
Control Protocol	Pelco-D, Pelco-P
Mechanical	
Accuracy	Less than 0.02° Micro-Step Technology
Drive Unit	Integral Micro-Step pan and tilt
Pan Angle	360° Continuous Pan
Tilt Angle	90° (Auto-Flip)
Speed Control	Closed loop electronics (0.05°~200°)
Preset Accuracy	Better than 0.1°
Physical	
Construction	Dual Layer Stainless Steel 304 or 316L
IP Rating	IP 68
Viewing Window	Aerospace Optics (ϕ64mm)
Standard Colors	Black/White
Dimensions	450mm x 400mm x 160mm (Length x Width x Height)
Weight	26 kg
Operational Temperature	'-55°C to +60°C (temperature controlled heater/blower)
Cable Entries	1 threaded explosion proof entry
Certificates	
Zone	Zone 1/2 in Group IIA, Group IIB, and Group IIC gases.
ATEX	Ex II 2GD Exd II CT6 and Ext DA21 T80C
Electrical	
Lightning Protection	3,000 Volts
Input Voltage	24VAC (CE, ROHS, FCC)
Power Consumption	Max 45W (Heater on)
Available Options	
Mounts	Wall Mount
IP-Pro Server (X4 Platform)	Converts analog cameras into IP addressable servers
Camera Color System	NTSC or PAL